M E M O R A N D U M

August 21, 1980

TO: CAROLINE P. HAIGHT, Manager
Compliance Branch

FROM: ROBERT KOENTOP, Environmental Specialist RK
Field Operations Branch

SUBJECT: Ford's Composite Water Sample - A. L. Taylor Site

Attached is the analysis regarding the composite sample of "contaminated water" collected from Ford drums at the Valley of the Drums.

NOTE: Only Pb, Cr and non-halogenated hydrocarbons were requested for analysis on the water. This request was related to previous analyses run on Ford's materials - no halogenated hydrocarbons were detected (less than .08 ppm) or toxic metals (excluding Pb and Cr) detected (less than .01 ppm).

Please note the following concerning the water analysis:

1. Approximately 220 gallons of water is present.
2. Pb = 1.82 ppm
3. Cr = .48 ppm
4. Non-halogenated hydrocarbons present: Mr. Ken Smith (President, Louisville Testing Labs) informed me these were present in concentrations no greater than 10 ppm.

NOTE: At the time of sampling, the water drums contained a significantly detectable solvent odor - this would be related to the 10 ppm category as analyzed. However, at present these same drums contain no "solvent smell". This is due to the solvents (lighter in weight than water) rising to the top of the drums and escaping, via evaporation, into the atmosphere.

It is my opinion that these water drums no longer contain any "significant amounts" of solvents (if any at all).

Coupled with the low non-hazardous levels of chromium and lead detected, I feel the water, now being stored on site, is an innocuous, non-hazardous material containing the small amounts of lead and chromium and virtually no hydrocarbons.

NOTE: Mr. Bill Fluhr, through the Ford Motor Company, is proposing to dispose of this water via the on-site collection/treatment system at the Valley.

Because of the aforementioned facts, I feel the water will pose no appreciable burden to the system (specifically to the activated carbon). Additionally, when the collection pond fills prior to treatment: the effect of the 220 gallons of water will further be reduced via dilution.

Although I feel the treatment system will not be affected by the "contaminated water"; Divisional and Departmental policies must also be reviewed concerning this subject matter prior to any decision making process.

RK/lrw

Attachment

cc: Ross Singleton
Mel Fry

ANALYTICAL LABORATORIES

LOUISVILLE TESTING LABORATORY, INC.

1401 WEST CHESTNUT STREET

LOUISVILLE, KY. 40203

Certificate of analysis No. 4181 Date received 8/6/80

Marks L W S-3, Water # 1 From Robert Koentop

L W S - 3

Halogenated Hydrocarbons	None
P.C.B's	None
Chromium	10.53 ppm
Lead	88.17 ppm

Water # 1

Non Halogenated Hydrocarbons	Present (See Chromatogram)
Chromium	.48 ppm
Lead	1.82 ppm

Reported 8/11/80

LOUISVILLE TESTING LABORATORY, INC.

By Kenneth M. Smith